

**QUARTERLY REPORT  
FOR THE DECONTAMINATION FACILITIES  
903A PAD AND PROTECTED AREA PAD**

**APRIL 1996 THROUGH JUNE 1996**

**JULY 31, 1996**

**DOCUMENT CLASSIFICATION  
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## **INTRODUCTION**

The Decontamination Facilities support Environmental Restoration (ER) activities including RFI/RI and remedial action field work and the accelerated actions on Plant site in accordance with the Accelerated Site Action Plan (ASAP). There are two decontamination facilities at the Rocky Flats Plant: the Main Decontamination Facility (MDF), also known as the 903A Pad - RCRA Unit 18.01, located at the east end of the Field Operations Yard; and the Protected Area Decontamination Facility (PADF), located in the northeast corner of the Protected Area. The PADF is also referred to as Building 966. Proper utilization of the facility prevents cross contamination between sample retrieval sites and provides a mechanism to clean equipment in order to meet data quality objectives. A mobile field decontamination unit is also utilized when movement of contaminated equipment is restricted.

Four full time personnel from Resource Technology Group (RTG) currently operate and maintain the Decontamination Facilities for Rocky Mountain Remediation Services (RMRS). In addition to operating and maintaining the two facilities, this work package is responsible for movement of environmental drums and pallets from the buffer zone and within the Field Operations Yard, moving equipment and unloading trucks for other subcontractors, performing decontamination of equipment, removing snow in the Field Operations Yard, and providing Health and Safety support to environmental projects.

## **DECONTAMINATION**

RTG supported numerous RMRS environmental restoration projects across the site during the third quarter. Decontamination operations were supported with two full-time technicians, two health and safety specialists and one part-time manager.

Staff have supported the Trench 3/Trench 4 project continuously with decontamination technicians delivering water to the site daily for dust suppression and providing decontamination work around the clock as necessary to keep the project moving forward.

Excavation and sampling equipment decontamination work was performed twice per week for the PCB cleanup operations at Building 776 and Building 661.

RTG is currently working on the completion of Container Restraint Transport (CRT) decontamination in support of a Safe Sites of Colorado performance measure. The CRTs were previously used at the Oak Ridge Facility and have uranium contamination that exceeding on-site limits. Five CRT devices were decontaminated, surveyed, and released to site operations.

Approximately 500 small animal traps are decontaminated each month for the NEPA and ecology group.

Tankers 7, 8 and 10 were decontaminated at the MDF this quarter. Decontamination personnel also provided mobile decontamination and water to various project sites as needed in support of the accelerated actions program including the CERCLA Tank project. 4800 gallons of decontamination water was transported from storage tanks; DW7 and DW9, to the CWTF for treatment.

## **SAMPLING**

Sampling and sample coordination was provided for the Trench 3/Trench 4 project, Sitewide Water Treatment Facility, Ryan's Pit project, Operable Unit #7 Leachate collection system, IHSS 129 Tank Removal, the Tank Cleanup Project, and PCB cleanup project.

## **CONSTRUCTION/MAINTENANCE**

The new MDF storage facility was completed adjacent to the existing decontamination pad. The original storage tanks, sediment tanks and ancillary equipment were disassembled and decontaminated for RCRA Unit 18.01 closure sampling. RCRA Unit 18.01 will be closed during the third quarter, 1996, after the decontamination of chromium contaminated palettes. The new facility's procedures and HASP are being updated to ensure safe operations.

## **ENVIRONMENTAL COMPLIANCE**

Daily inspections and weekly filter changes on Operable Unit #7 were conducted with RMRS management during the third quarter.

## **HEALTH AND SAFETY**

Two Health and Safety Specialists supported the Trench 3/Trench 4 priority cleanup project with industrial hygiene and air monitoring. Health and safety support was provided for Operable Unit #7 maintenance. Approximately 10 hours per week of HSS time was used in support of ongoing field activities, conex access and/or disposition, and other survey support to RMRS as necessary.

In addition to supporting numerous projects simultaneously and performing routine Health and Safety responsibilities, the HSS's for the decontamination operation completed numerous surveys, and wrote several Preliminary Hazard Analysis, (PHA) and Activity Hazard Analysis (AHA). Other projects supported by the HSS's include:

- Conducted daily safety briefings
- Conducted weekly safety meetings
- Maintained training files for all decontamination technicians
- Updated Material Safety Data Sheets for the MDF, the PADF, T891 C,D, and P
- Maintained/inspected fall protection equipment
- Provided Health and Safety support to the Trench 3/Trench 4 Project
- Provided confined Space Entry and maintenance support for the OU7 Seep Collection
- Conducted trailer inspections in the field operations yard
- Conducted weekly/monthly inspections of the: (1) extinguisher, (2) spill kits, (3) respirators, (4) self contained breathing apparatus', and (5) eyewash stations and safety shower in Environmental Restoration work areas

## **ANTICIPATED OPERATIONS FOR NEXT QUARTER**

Water supply, decontamination activities, sampling, and Health and Safety Support at the Trench 3/Trench 4 operations will continue until project completion.

Decontamination support will be provided to the IHSS 129 Interim Action project. The mobile decontamination unit will be utilized for this project. Decontamination support will also be provided for the IAG tank foaming project, and Operable Unit #7. Health and Safety Support will be provided to the Consolidated Water Treatment Facility.

## **SUMMARY/CONCLUSION**

It is anticipated to have approximately 10,000 gallons of decontamination water treated next quarter.

There were no environmental deficiencies, no accidents, and no occurrences encountered by the Decontamination Facility Operation during the April through June, 1996 reporting period.